IAP4 Rec'd PCT/PTO 12 DEC 2005

PTO-1390 (Rev. 07-2005)
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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)	ATTORNEY'S DOCKET NUMBER WIBL-P01-013					
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	U.S. APPRICATION NO 11 known see 87 CFR 1.5)					
INTERNATIONAL APPLICATION NO. US04/019017 INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED 13 June 2003					
TITLE OF INVENTION METHODS OF REGULATING METABOLISM AND MITOCHONDRIAL FU	INCTION					
APPLICANT(S) FOR DO/EO/US Mootha et al.	NOTION .					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/	/US) the following items and other information:					
1. X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2. This is a SECOND or SUBSEQUENT submission of items concerning a s	ubmission under 35 U.S.C. 371.					
This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4. X The US has been elected (Article 31).						
5. X A copy of the International Application as filed (35 U.S.C. 371 (c)(2))						
a. is attached hereto (required only if not communicated by the Internation	onal Bureau).					
b. has been communicated by the International Bureau.						
c. x is not required, as the application was filed in the United States Recei	iving Office (RO/US).					
6. An English language translation of the International Application as filed (3:	5 U.S.C. 371(c)(2)).					
a. is attached hereto.						
b. has been previously submitted under 35 U.S.C. 154(d)(4).						
7. X Amendments to the claims of the International Application under PCT Artic	cle 19 (35 U.S.C. 371(c)(3))					
a. are attached hereto (required only if not communicated by the International Bureau).						
b. have been communicated by the International Bureau.						
c. have not been made; however, the time limit for making such amendments has NOT expired.						
d. x have not been made and will not be made.						
8. An English language translation of the amendments to the claims under P	PCT Article 19 (35 U.S.C. 371(c)(3)).					
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
Items 11 to 20 below concern document(s) or information included:						
An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12. An assignment document for recording. A separate cover sheet in compli	iance with 37 CFR 3.28 and 3.31 is included.					
13. x A preliminary amendment.						
14. x An Application Data Sheet under 37 CFR 1.76.						
15. A substitute specification.						
16. A power of attorney and/or change of address letter.						
17. A computer-readable form of the sequence listing in accordance with P						
18. x A second copy of the published International Application under 35 U.S.	C. 154(d)(4). (400 pages)					
19. A second copy of the English language translation of the international a	application under 35 U.S.C. 154(d)(4).					

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U.S. APPLICATION NO. (II KNOWN See 17 CF 1.5) INTERNATIONAL APPLICATION NO. US04/019017			ATTORNEY'S DOCKET NUMBER WIBL-P01-013							
20. X Other items or information: Return Receipt Postcard; Certificate of Express mailing (1 page)										
The foll	owing fees I	have b	een submitte	ed			CAI	LCULATION	s	PTO USEONLY
	-))		\$300	\$	300.0	\rightarrow	
22. x Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)										
23. x Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						\$	500.0	10		
	TOTAL OF 2	1, 22 an	d 23 =				\$	1,000.0	0	
X Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.										
Total Sheets	Extra Sheets	neets Number of each additional 50 or fraction thereof (round up to a whole number)				RATE				
400 -100=	300 /5	50 =		6		x \$250.00	\$	1500.0	0	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					or declaration	\$				
CLAIMS			R FILED	NUMBER EXTRA		RATE				
Total clair			0 - 20 = 10 x 50				500.0	-+		
	Independent claims 7 - 3 = 4 x 200 800.00 ULTIPLE DEPENDENT CLAIM(S) (if applicable) + +									
MULTIPLE DEP	ENDENT CLA	(S) (I	аррікавіе)	TOTAL OF A	+	CALCUL ATIONS -	\$	3800.0		
TOTAL OF ABOVE CALCULATIONS = X Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				1900.00						
SUBTOTAL =			\$	1900.0	0					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).										
TOTAL NATIONAL FEE =				\$			1900.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +										
TOTAL FEES ENCLOSED =				\$ 1900.00						
								ount to be nded:	\$	
							Amo cha	ount to be rged	\$	1900.00

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Application No. (if known): Not Yet Assigned

Attorney Docket No.: WIBL-P01-013

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV543593208US in an envelope addressed to:

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Application Data Sheet (3 pages) Preliminary Amendment (10 pages)

Transmittal Letter to the United States Designated-Elected Office (3 pages) with copy

Second copy of published International Application (400 pages)

Return receipt postcard

Charge \$1900.00 to deposit account 18-1945